

Project Number 151-273

Reconstruction of I-84

Waterbury



Project Location/Existing Conditions

Project Description:

This project involves the reconstruction of Interstate 84 to provide a third lane in each direction between Washington Street (west of Interchange 23) and Pierpont Road (west of Interchange 25A) in Waterbury. The total length of the project is approximately 2.7 miles. This project will decrease traffic congestion, improve traffic operations, and improve safety along this section of I-84.

The reconstructed I-84 will have a 12 foot wide right shoulder, three 12 foot wide travel lanes and a 12 foot wide left shoulder in each direction of travel, separated by a 10 foot wide concrete barrier section for the length of the project. Additionally, a 12 foot auxiliary lane will be provided on I-84 westbound between the on-ramp from Harpers Ferry Road and the off-ramp to Hamilton Avenue.

The proposed reconstruction includes realigning approximately one mile of I-84 in the vicinity of Harpers Ferry Road to eliminate the sharp reverse-curve alignment. Approximately 2,000 feet of Reidville Drive will be relocated to accommodate this realignment. On the north side of I-84, a new frontage road, referred to as Plank Road East, will be constructed parallel to I-84 between Scott Road and Harpers Ferry Road.

Within the project limits, the following ramp revisions are proposed:

- The I-84 eastbound off-ramp to Harpers Ferry Road will be maintained, however, the diverge for the ramp will be relocated to the west of Hamilton Avenue to eliminate the existing "weave" condition between the eastbound on-ramp from Hamilton Avenue and the I-84 eastbound off-ramp to Harpers Ferry Road. The eastbound on-ramp from Hamilton Avenue will bridge over the I-84 eastbound off-ramp to Harpers Ferry Road. The eastbound on-ramp



from Scott Road will be maintained.

- The I-84 westbound on-ramp from Plank Road (near Nardelli's) and the I-84 westbound off-ramp to Harpers Ferry Road will be removed to eliminate the weave condition between these two ramps. The I-84 westbound off-ramp to Scott Road will be maintained and will also function as the I-84 westbound off-ramp to Harpers Ferry Road via the new frontage road, Plank Road East. A new westbound on-ramp will be constructed from Harpers Ferry Road.

Roadway improvements are proposed for Hamilton Avenue, Harpers Ferry Road, Scott Road, Reidville Drive, Plank Road, Plank Road East and East Main Street. All existing traffic signals will be replaced with new equipment.

Proposed structure work includes the construction of nine (9) highway bridges, one (1) pedestrian bridge, twenty (20) retaining walls and six (6) box culverts.

The existing pedestrian underpass providing access to Hamilton Park from Hamilton Avenue on the south side of I-84 will be eliminated. Pedestrian access will be maintained along the east bank of the Mad River under the new bridge carrying I-84 over the Mad River. Also, the existing pedestrian bridge over the Mad River will be replaced by a new pedestrian bridge located approximately 95 feet upstream of the existing one. The pedestrian trail will be realigned to match the new bridge location.

Within the project limits, the Mad River will be realigned and stabilized from approximately 330 feet north of the Century Dam to approximately 260 feet north of Plank Road for a total distance of approximately 1,700 feet. Also, Beaver Pond Brook is being realigned from approximately 660 feet west of Scott Road to approximately 1,570 feet east of Scott Road for a total distance of approximately 2,230 feet.

This project impacts approximately 1.1 acres of inland wetlands. The total area of new wetland creation will be approximately 3.4 acres.

Project Status:

The project is currently in Final Design. Plans are approximately 90% complete:

The permit application submission to Department of Energy and Environmental Protection (DEEP) is scheduled for July 2013.

Advertising for construction is scheduled for Summer 2014.

Construction is expected to begin in late 2014/early 2015 and will take approximately 5 years to complete.

The construction cost is estimated to be \$400 to \$450M.

**Project Team:****Design:**

- Project Management: CTDOT Office of Engineering
- Project Designer: Ammann & Whitney.

Construction:

- Project Management: CTDOT District 4 Construction Office
- Construction Inspection: TBD
- General Contractor: TBD.

Project Links:

- [Project Plan Sheet 1 of 2](#)
- [Project Plan Sheet 2 of 2](#)
- [Meeting minutes of April 18, 2013 Community Meeting sponsored by State Representative Selim Noujaim](#)
- [Power Point Presentation given at April 18, 2013 Community Meeting](#)